Issuance Date: May 27, 2004 Effective Date: July 1, 2004 Expiration Date: May 26, 2009

STATE WASTE DISCHARGE PERMIT NUMBER ST 5309

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY Eastern Regional Office

In compliance with the provisions of the State of Washington Water Pollution Control Law Chapter 90.48 Revised Code of Washington, as amended, authorizes

> Lamb-Weston, Inc. 960 Glade Road North Pasco, WA 99301

to discharge wastewater in accordance with the special and general conditions which follow.

<u>Facility Location</u>: North of the City of Pasco and city airport, along western side of Glade

Road (Franklin County)

<u>Discharge Location</u>: Approximately 3100 acres located in Sections 1,3,12,13, T.9N, R. 29E; Sections 13,24,25, 26, 35, T. 10N, R. 29E; Sections 6,7, T. 9N, R. 30E; portions of Gov't Lot 6&7 lying W. of BNRR right-of-way.

<u>Industry Type</u>: Potato processor (French fries)

Latitude: 46° 17′ 17″ N Longitude: 119° 07′ 04″ W

SIC Code: 2037

James M. Bellatty Water Quality Section Manager Eastern Regional Office

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SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Quarterly	August 25, 2004
S4.B	Facility Loading – 85% design exceedance	Conditional	
S7.	Vadose Zone Monitoring Plan	1/permit cycle	December 1, 2004
S8.	Irrigation and Crop Management Plan	Annually	April 15, 2005
G7.	Application for permit renewal	1/permit cycle	November 26, 2008

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on the effective date and lasting through the expiration date of this permit, the Permittee is authorized to apply wastewater to land via spray irrigation at agronomic rates, for nitrogen and water, and at rates for other wastewater constituents that are protective of the background ground water quality.

The Permittee is authorized to apply wastewater for final treatment on the following designated irrigation lands:

Approximately 3100 acres located in Sections 1,3,12,13, T.9N, R. 29E; Sections 13,24,25,26,35, T. 10N, R. 29E; Sections 6,7, T. 9N, R. 30E; portions of Gov't Lot 6&7 lying W. of BNRR right-of-way.

Total nitrogen and water applied to the irrigation lands shall not exceed the crop requirements as determined by the Permittee's Irrigation and Crop Management Plan, Condition S8.

Discharges from the processing facility shall be subject to the following limitations:

	EFFLUENT LIMITATIONS		
Parameter Average Monthly ^a Maximum Daily			
Flow	2.2 MGD	2.7 MGD	

^a The average monthly effluent limitation is defined as the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

S2. MONITORING REQUIREMENTS

A. Process Facility Monitoring

The sampling point for the process facility shall be from the irrigation pump well discharge line.

^b The maximum daily effluent limitation is defined as the highest allowable daily discharge. The daily discharge means the discharge of a parameter measured during a calendar day.

The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type
Flow	MGD	Continuous ¹	Meter

¹ Continuous means uninterrupted except for brief lengths of time for calibration, for power failure, or for unanticipated equipment repair or maintenance. Sampling shall be taken four per day when continuous monitoring is not possible.

B. <u>Irrigated Process Wastewater Monitoring</u>

Irrigated process wastewater is defined as the process wastewater (raw or mixed with supplemental water) that is pumped to the sprayfield system.

The sampling point will be from the discharge line of the irrigation pump that receives the raw wastewater from the clarifier.

The Permittee shall monitor the irrigated process wastewater according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type
Flow	MGD	Continuous	meter
рН	s.u.	Daily	Grab
TKN (as N)	mg/L	1/ month	Calculated ¹
NH ₃ (as N)	mg/L	1/ month	Calculated ¹
Conductivity	umhos/cm	1/ month	Calculated ¹
Total Dissolved Inorganic Solids ²	mg/L	1/ month	Calculated ¹
Total Phosphorus (as P)	mg/L	4/ year ³	Calculated ¹
COD	mg/L	4/ year ³	Calculated ¹
Sodium	mg/L	4/ year ³	Calculated ¹
Calcium	mg/L	4/ year ³	Calculated ¹
Magnesium	mg/L	4/ year ³	Calculated ¹
Potassium	mg/L	4/ year ³	Calculated ¹
Sulfate	mg/L	4/ year ³	Calculated ¹
Chloride	mg/L	4/ year ³	Calculated ¹

¹ Based on the measured concentrations of 24hr composite samples for the process wastewater from the clarifier and the supplemental fresh irrigation water, and their mixing ratio.

C. Ground Water Monitoring

The sampling points for ground water will be from wells MW1 – MW27.

The Permittee shall monitor the ground water according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type	
Nitrate (as N)	mg/L	1/ month	Grab	
Total Dissolved Solids	mg/L	1/ month	Grab	
рН	s.u.	1/ month	Grab (field measurement)	
Static water elevation	To the nearest 0.01 feet	1/ month	Grab (field measurement)	
Calcium	mg/L	2/ year ¹	Grab	
Sodium	mg/L	2/ year ¹	Grab	
Magnesium	mg/L	2/ year ¹	Grab	
Potassium	mg/L	2/ year ¹	Grab	
Bicarbonate	mg/L	2/ year ¹	Grab	
Chloride	mg/L	2/ year ¹	Grab	
Sulfate	mg/L	2/ year ¹	Grab	
¹ April and September				

D. Soil Monitoring

1. Semi-Annual Monitoring

The Permittee shall perform soil monitoring on the irrigation lands twice per year. These sampling sites shall be located so as to be representative of each irrigation site or as represented in the crop management plan. If possible, sampling sites shall remain in the same vicinity from year to year. Testing at each sampling site shall be done on one foot soil increments.

Composite samples will be for five depths [0-12"; 12-24"; 24-36"; 36-48"; 48-60"(or until auger refusal)] and will be from a minimum of four (4) cores. Samples will be collected at a time that best represents soil conditions at the beginning and end of the crop growing season.

² Total Dissolved Inorganic Solids = [conductivity (umhos/cm)] x [0.64]

³ March, June, August, November

Results shall be submitted annually with the annual Irrigation and Crop Management Plan. The end of crop growing season values for nitrate at the five foot depth shall be presented graphically.

The Permittee shall monitor the soils in the center pivot sprayfields according to the following schedule:

Parameter	Units	Sample Point	Depth Increments ¹
Moisture content	%	Each sprayfield	1-5
NO ₃ (as N)	mg/Kg	11	1-5
Conductivity	mmhos/cm	"	1-5
¹ Depth (inches) v	s. Depth increment	(ft.) for composite sam	nples:
0 -12"	1		
12-24"	2		
24-36"	3		
36-48"	4		

2. Annual Monitoring

48-60"

5

The Permittee shall perform the following soil monitoring on the irrigation lands twice per permit cycle; 2005 and 2007. These sampling sites shall be located so as to be representative of each irrigation site or as represented in the crop management plan. If possible, sampling sites shall remain in the same vicinity from year to year. Testing at each sampling site shall be done on one foot soil increments.

Composite samples will be for six depths [0-12"; 12-24"; 24-36"; 36-48"; 48-60"; 108-120" (or until auger refusal)] and will be from a minimum of four (4) cores. Samples will be collected at a time that best represents soil conditions at the end of the crop growing season.

Results shall be submitted annually with the annual Irrigation and Crop Management Plan.

The Permittee shall monitor the soils in the center pivot sprayfields according to the following schedule:

Parameter	Units	Sample Point	Depth Increments ¹
Exchangeable sodium percentage	%	Each sprayfield	1,5
Cation exchange capacity	meq/100g	Each sprayfield	1,5
Organic matter	percent	Each sprayfield	1
Nitrate (as N)	mg/Kg	Each sprayfield	10
Conductivity	mmhos/cm	Each sprayfield	10
¹ Depth (inches) vs. De	epth increment (ft	.) for composite sam	ples:
0 -12"	1		
12-24"	2		
24-36"	3		
36-48"	4		
48-60"	5		
108-120" 10 (or until auger refusal)			

E. <u>Crop Monitoring</u>

The Permittee shall perform crop monitoring on each field once per harvest, for alfalfa, grass, wheat, mint, and related types of crops. Composite samples will be comprised of at least ten (10) random samples collected from each center-pivot field.

Parameter	Units
Crop production	dry tons/ac
Moisture content	%
Total Kjeldahl Nitrogen	%
NO ₃ (as N)	mg/Kg (dry wt)
Total-P (as P)	mg/Kg (dry wt)
Sodium	mg/Kg (dry wt)
Magnesium	mg/Kg (dry wt)
Potassium	mg/Kg (dry wt)
Calcium	mg/Kg (dry wt)

Parameter	Units	
Chloride	mg/Kg (dry wt)	
Sulfur	mg/Kg (dry wt)	

F. Nitrogen Load Monitoring

The Permittee shall report the following nitrogen load values to the sprayfield system for the previous year:

Parameter	Units	Sample Frequency	Sample Type
Total annual net nitrogen load	Lbs	1/ year ¹	calculated
Total annual net nitrogen load capacity	Lbs	1/ year ¹	calculated
¹ 1/year means May	1		1

G. Vadose Zone Monitoring

The Permittee shall monitor the soil water percolate collected in the vadose zone monitoring system according to the schedule and list of parameters that are described in the approved Vadose Zone Monitoring Plan; Section S7.

H. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling shall conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology 1996).

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

All soil analysis and reporting will be in accordance with *Laboratory Procedures*, Soil Testing Laboratory, Washington State University, November 1981, or the most recent, widely accepted equivalent.

I. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

J. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, pH, and internal process control parameters are exempt from this requirement. pH shall be accredited if the laboratory must otherwise be registered or accredited.

Crops and soils testing have not been included in the accreditation program. Crops and soils data shall be provided by a reputable agricultural test lab that is an active participant in a nationally recognized agricultural laboratory proficiency testing program.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results shall be submitted quarterly. Monitoring results obtained during the previous three (3) months shall be reported on the monthly forms as provided, or otherwise approved, by the Department, and be received no later than the 25th day of the month following the completed reporting period, unless otherwise specified in this permit. The report shall be sent to the Department of Ecology, Water Quality Permit Coordinator, 4601 North Monroe Street, Spokane, Washington, 99205-1295.

Discharge Monitoring Report forms must be submitted quarterly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "NO DISCHARGE" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance

records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. <u>Noncompliance Notification</u>

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

- 1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
- 2. Repeat sampling and analysis of any violation and submit the results to the Department within 30 days after becoming aware of the violation;
- 3. Immediately (within 48hrs) notify the Department of the failure to comply; and
- 4. Submit a detailed written report to the Department within thirty days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

F. <u>Maintaining a Copy of This Permit</u>

A copy of this permit shall be kept at the facility and be made available upon request to Ecology inspectors.

S4. FACILITY LOADING

A. <u>Design Criteria</u>

Flows or waste loadings of the following design criteria for the permitted treatment facility shall not be exceeded:

Average flow for the maximum month: 2.2 MGD

B. Plans for Expanding Sprayfield Acreage

The Permittee will submit to the Department a plan for bringing the sprayfield system to its full capacity (3119 acres) when the average flow for the maximum month or total annual flow from the processing facility reaches 85% of the design flow (1.87 MGD, or 683 million gallons).

The plan shall be submitted no later than sixty (60) days after reaching the 85% design flow value. It shall include what steps will be taken to bring all acreage on line and a time line for its completion.

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. Operations and Maintenance Manual

The O&M Manual shall be reviewed by the Permittee at least annually. All manual changes or updates shall be submitted to the Department whenever they are incorporated into the manual. The approved operation and maintenance manual shall be kept available at the permitted facility.

All operators shall follow the instructions and procedures of this manual.

B. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the treatment system.

The bypass of wastes from any portion of the treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. Unavoidable Bypass -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with condition S3.E "Noncompliance Notification."

- 2. Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least 30 days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:
 - a. If the bypass is necessary to perform construction or maintenancerelated activities essential to meet the requirements of the permit.
 - b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
 - c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by the Department under RCW 90.48.120.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

C. <u>Irrigation Land Application</u>

- 1. The system must be operated so as to protect the existing and future beneficial uses of the ground water and not cause a violation of the ground water standards.
- 2. There shall be no runoff of wastewater applied to land by spray irrigation to any surface waters of the state or to any land not owned by or under control of the Permittee.

- 3. The Permittee shall use recognized good practices, and all available and reasonable procedures to control odors from the land application system. When notified by the Department, the Permittee shall implement measures to reduce odors to a reasonable minimum.
- 4. The wastewater shall not be applied to the irrigation lands in quantities that:
 - a. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - b. Would cause long-term anaerobic conditions in the soil.
 - c. Would cause ponding of wastewater and produce objectionable odors or support insects or vectors.
 - d. Would cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the wastewater, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.
- 5. The Permittee shall maintain all irrigation agreements for lands not owned for the duration of the permit cycle. Any reduction in irrigation lands by termination of any irrigation agreements may result in permit modification or revocation. The Permittee shall immediately (within 48hrs) inform the Department in writing of any proposed changes to existing agreements.
- 6. The leaching fraction (LF) for the sprayfield site shall not exceed an average value of 11.2%.
- 7. Supplemental leaching performed to control soil salinity will be done when necessary and only during the late winter. The supplemental leaching requirement shall be met using precipitation and fresh water (not mixed with any wastewater).

D. <u>Best Management Practices\Pollution Prevention Program</u>

- 1. Stable or declining end-of-cropping-year soil profile nitrate concentration trends over three years, based on the summation of the soil nitrate testing in Section S2.D.
- 2. Adjust irrigation plans in low evapotranspiration periods to minimize percolate losses on fields with soil nitrate increase.

S6. SOLID WASTE DISPOSAL

A. <u>Solid Waste Handling</u>

The Permittee shall handle and dispose of all solid waste material in such a manner as to prevent its entry into state ground or surface water.

B. Leachate

The Permittee shall not allow leachate from its solid waste material to enter state waters without providing all known, available and reasonable methods of treatment, nor allow such leachate to cause violations of the State Surface Water Quality Standards, Chapter 173-201A WAC, or the State Ground Water Quality Standards, Chapter 173-200 WAC. The Permittee shall apply for a permit or permit modification as may be required for such discharges to state ground or surface waters.

C. Solid Waste Control Plan

The Permittee shall submit all proposed revisions or modifications to the solid waste control plan to the Department. The Permittee shall comply with any plan modifications.

The Permittee shall submit an update of the solid waste control plan with the application for permit renewal 180 days prior to the expiration date of the permit.

S7. VADOSE ZONE MONITORING PLAN

A. No later than December 1, 2004, the Permittee shall submit to the Department for review and comment a plan for the installation of a vadose zone monitoring system for the "LW- fields (except LW-8) and field A-5" and "LW-8 and A-fields (except A-5)" sprayfield sub-areas as explained in the permit Fact Sheet.

The plan shall include: 1) a description of the type of system to be installed in a representative number of sprayfields in each sub-area; 2) the procedures for the installation; 3) operation and maintenance; 4) sample collection and preservation; 5) parameter test list; 6) testing schedule; 7) schedule for installation; 8) timeline for the beginning of sample collection.

S8. IRRIGATION AND CROP MANAGEMENT PLAN

An Irrigation and Crop Management Plan shall be submitted annually by April 15th for Department review. The plan shall generally conform with the *Guidelines for Preparation of Engineering Reports for Industrial Wastewater Land Application Systems*, Ecology 1993. The plan must be prepared by a soil scientist. The plan shall include the following elements:

A. <u>Annual Summary of Farm Operations for Previous Year</u>

This summary shall include:

- 1. For each crop grown, the total acreage and quantity harvested.
- 2. Calculated balances for nutrients, cations, anions, TDIS, or other design limiting parameters. The calculations shall include crop consumptive use, process wastewater loadings of nutrients, salts, TDS or other design limiting parameters, and contributions from commercial fertilizers applied.

For crops that are less "grain/grass" type (i.e., non-forage crops) and have a large amount of vegetative growth (e.g., corn, potatoes), the use of literature values for nutrient uptake is acceptable. Otherwise, crop monitoring results shall be used.

- 3. Calculated water balance. The calculations shall include irrigation system efficiency and application uniformity, the quantity of supplemental irrigation water and process wastewater applied, crop consumptive use, water stored in the soil profile, percolate loss for each crop annually, and salt leaching requirements.
- 4. Soil testing results. A summary of the soil testing results shall be submitted and discussed as part of the annual Irrigation and Crop Management Plan.

The report shall include a continuous 3-year trend analysis of the end-of-cropping year soil profile nitrate concentration based on the soil testing in S2.D for all fields.

- 5. Crop testing results. A summary of the crop testing results shall be submitted and discussed as part of the annual Irrigation and Crop Management Plan.
- 6. The percent nitrate-N leached shall be estimated for each of the sprayfield sub-areas (G-, R-, J-, Section 3 J-, L-W, and A-fields) as described in the 2003 engineering report addendum. A five year continuous trend analysis for each sub-area shall compare these values against the value of 24% ± 12%. The first year of the comparison shall begin with the 2004 crop year.

Whenever the percent nitrate-N leached value for the entire sprayfield area exceeds the $24\% \pm 12\%$ value for two consecutive years, the Permittee shall report what actions will be taken to reduce the percent nitrate-N leached value.

B. Performance Standards Compliance

1. The plan shall describe the compliance with the irrigation land application requirements in Section S5.C and S5.D of this permit.

C. <u>Vadose Zone Monitoring and Early Warning Values</u>

- 1. The plan shall report the test results for samples collected from the vadose zone collection system.
- 2. The results for nitrate-nitrogen and TDS shall be compared to the Early Warning Values for the following irrigation sub-areas:

LW- fields (except LW-8) and field A-5:	$\begin{aligned} &\text{Nitrate-N} = 20.5 \text{ mg/L} \\ &\text{TDS} = 600 \text{ mg/L} \end{aligned}$
LW-8 and A-fields (except A-5):	Nitrate-N = 24.3 TDS = 657 mg/L

3. Vadose zone trends for nitrate-N and TDS shall be determined on a current year and three year basis. The trends shall be compared to the respective Early Warning Value. The narrative will include an evaluation of the performance of the sprayfield sub-areas and any adjustments made in the irrigation and crop management of the site to minimize percolate loses of nitrate and TDS.

D. <u>Cropping Schedule for Upcoming Year</u>

This schedule shall include:

- 1. Crop Management. The proposed acreage for each crop, cultivation and harvesting requirements, expected crop yields, and methods for establishing a crop, and proposed schedule for herbicide, pesticide, and fertilizer application.
- 2. Irrigation Management. The frequency and timing of wastewater and supplemental irrigation water application (including harvest and non-harvest periods), and recommended rest cycles for wastewater application where organic or hydraulic loading is a concern.
 - Any proposed changes in the operation of the year around application schedule to reduce soil percolate nitrate-N and TDS values.
- 3. The annual total net nitrogen load capacity for the sprayfield system based on the expected cropping.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G6. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G7. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least 180 days prior to the specified expiration date of this permit.

G8. PERMIT TRANSFER

This permit is automatically transferred to a new owner or operator if:

A. A written agreement between the old and new owner or operator containing a specific date for transfer of permit responsibility, coverage, and liability is submitted to the Department;

- B. A copy of the permit is provided to the new owner and;
- C. The Department does not notify the Permittee of the need to modify the permit.

Unless this permit is automatically transferred according to section A. above, this permit may be transferred only if it is modified to identify the new Permittee and to incorporate such other requirements as determined necessary by the Department.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.